

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	countercurrent ultrasonic wave	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:36
S2	2667	210/748.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:38
S3	2	Gou, shequan.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:39
S4	2	da, jianwen.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:39
S5	2	zhang, yougui.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:40
S6	181	han, ping.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:40
S7	2	zhang, jingyi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:40
S8	254	516/113.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:41
S9	676994	(ultrasonic or transducer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:44

S10	2	S6 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:45
S11	2	S8 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:45
S12	458	S2 and S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:45
S13	0	S12 and ultrasonic transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:57
S14	89	S12 and ultrasonic transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:57
S15	4	S14 and (concurrent or countercurrent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:58
S16	21	210/728.ccls. and (concurrent or countercurrent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:03
S17	47373	oil and water emulsion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:04
S18	47373	oil and water emulsion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:04
S19	1164	S18 and transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:04

S20	114	S19 and (concurrent or countercurrent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:05
S21	27	S20 and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:05
S22	41845	(oil with water emulsion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:07
S23	1054	S22 and transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:08
S24	346	S23 and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:08
S25	27	S24 and (concurrent or countercurrent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/05 12:08
S26	1	"5225089".PN.	USPAT; USOCR	ADJ	ON	2008/12/05 12:47
S27	33	("4055491"   "4280823"   "4398925"   "4523682"   "4673512"   "4759775").PN. OR ("5225089").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 12:48
S28	45	("4055491"   "4280823"   "4393708"   "4475921"   "4523682"   "4549435"   "4573356"   "4736815"   "4743361"   "4877516"   "4890268"   "5006266"   "5036944"   "5060651"   "5085783"   "5091893"   "5147562"   "5164094"   "5192450"   "5225089"   "5257676"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/06 17:45

		"5329496"   "5419877"   "5460181"   "5484537"   "5527460"   "5831166"   "5902489"   "6029518"   "Re33524").PN. OR ("6216538").URPN.				
S29	14	("6055859").URPN.	USPAT	ADJ	ON	2008/12/06 18:28
S30	9	("5688405").URPN.	USPAT	ADJ	ON	2008/12/06 19:05
S31	16	"5951456"	USPAT	ADJ	ON	2008/12/06 19:41
S32	15	("5951456").URPN.	USPAT	ADJ	ON	2008/12/06 19:49
S33	0	("6065949").URPN.	USPAT	ADJ	ON	2008/12/06 19:50
S34	66	516/195.ccls.	USPAT	ADJ	ON	2008/12/06 20:01
S35	0	252/349.ccls.	USPAT	ADJ	ON	2008/12/06 20:07
S36	0	252/796.ccls.	USPAT	ADJ	ON	2008/12/06 20:07
S37	100	204/157.42.ccls.	USPAT	ADJ	ON	2008/12/06 20:08
S38	1	("5717181").URPN.	USPAT	ADJ	ON	2008/12/06 20:14
S39	0	"157""."62".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:05
S40	0	157/62.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:05
S41	209	204/157.62.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:06
S42	11	optical scissors	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:24

S43	1052	optical tweezers	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:30
S44	27369	ultrasonic transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:44
S45	8647	S44 and water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:44
S46	2218	S45 and oil	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 21:44
S47	1399	demulsify	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 22:11
S48	12	S47 and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/12/06 22:11
S49	0	countercurrent ultrasonic wave	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 11:41
S50	2	countercurrent ultrasonic wave	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 11:41
S51	15	("1865433"   "2417722"   "3264213"    "3458140"   "3672823"   "3686115"    "3772188"   "3807563"   "3886064").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/13 12:07
S52	25	("4003832").URPN.	USPAT	ADJ	ON	2009/05/13 12:29
S53	0	"10569967"	USPAT	ADJ	ON	2009/05/13 13:02

S54	0	"10/569967"	USPAT	ADJ	ON	2009/05/13 13:02
S55	0	"10569967"	USPAT	ADJ	ON	2009/05/13 13:03
S56	8373	transducer and (concurrent or countercurrent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:30
S57	1886	S56 and oil and water	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:31
S58	54	S57 and ultra\$sonic wave	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:32
S59	47	S58 and concurrent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:35
S60	118	transducer and (concurrent and countercurrent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:36
S61	1	S60 and S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:37
S62	2726	210/748.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:43
S63	0	210/2968D.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:43
S64	0	210/2968.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:43

S65	255	516/113.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:57
S66	1	S65 and transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 13:57
S67	19	"5951456"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 14:08
S68	0	("6065949").URPN.	USPAT	ADJ	ON	2009/05/13 14:20
S69	15	("5951456").URPN.	USPAT	ADJ	ON	2009/05/13 14:21
S70	622	425/4R.ccls.	USPAT	ADJ	ON	2009/05/13 14:30
S71	18	S70 and transducer	USPAT	ADJ	ON	2009/05/13 14:30
S72	4521	oil and emulsion and transducer	USPAT	ADJ	ON	2009/05/13 14:33
S73	310	S72 and ultrasonic wave	USPAT	ADJ	ON	2009/05/13 14:33
S74	38	("2714186"   "3169013"   "3176964"   "3301535").PN. OR ("3614069").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/13 14:35
S75	39	("4120699").URPN.	USPAT	ADJ	ON	2009/05/13 14:39
S76	27	electrostatic desalting	USPAT	ADJ	ON	2009/05/13 15:22
S77	1289	transducer and "210"/\$. ccls.	USPAT	ADJ	ON	2009/05/13 21:26
S78	67	S77 and standing wave	USPAT	ADJ	ON	2009/05/13 21:28
S79	34	("5085783").URPN.	USPAT	ADJ	ON	2009/05/13 21:55
S80	6	"5085783".pn. or "4743361".pn. or "5147562".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 22:13

S81	2	S80 and (oil or water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/13 22:13
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